

**ABSTRACT**

The present invention relates to a microcomposite powder comprising particles from 1  $\mu\text{m}$  to 300  $\mu\text{m}$  of an electrically conductive product, which are coated with particles from 0.1  $\mu\text{m}$  to 0.5  $\mu\text{m}$  of a fluoropolymer. According to one advantageous form of the invention the microcomposite powder comprises a product (A) which is a polymer or an oligomer which can be dissolved with a solvent which is not a solvent for the fluoropolymer or for the electrically conductive product. The present invention also relates to objects consisting of this powder. These objects may be bipolar plates for fuel cells, or supercapacitor components.